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(71) Applicant *(for all designated States except US)*: **TOYOTA JIDOSHA KABUSHIKI KAISHA** [JP/JP]; 1, Toyota-cho, Toyota-shi, Aichi 4718571 (JP).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **HOMMI, Akira** [JP/JP]; c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi 4718571 (JP).

(74) Agent: ITEC INTERNATIONAL PATENT FIRM; Pola-Nagoya Bldg., 9-26, Sakae 2-chome, Naka-ku, Nagoya-shi, Aichi 4600008 (JP).

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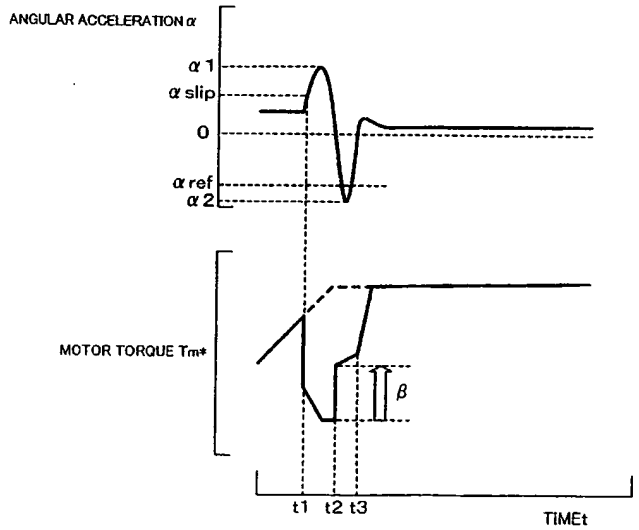
(54) Title: VEHICLE SLIP CONTROL SYSTEM AND METHOD



(57) Abstract: A vehicle is equipped with a motor that receives a supply of electric power, which is output from a battery and is boosted up by a DC/DC converter circuit, via an inverter circuit and outputs a torque to a drive shaft. In response to an estimated variation in road surface condition based on a decrease in angular acceleration of the drive shaft to be less than a threshold value ref during a slip, the control procedure of the invention adds a predetermined value to a torque upper limit Tmax, which is set at the time of the occurrence of the slip, and thereby updates the torque upper limit Tmax to start cancellation of torque restriction. The control procedure then updates the torque upper limit Tmax by a slope of a small time change to restrain the degree of cancellation of the torque restriction. After elapse of a preset time period specified as a waiting time to stabilize the voltage-increasing operation of the DC/DC converter circuit, the control procedure updates the torque upper limit Tmax by a slope of a greater time change to promptly cancel out the torque restriction.

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